AZ-104Q&As

Microsoft Azure Administrator

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QUESTION 1

You have an Azure Active Directory (Azure AD) tenant that syncs to on-premises Active Directory and contains the users shown in the following table.

Name	Type	Source
User1	Member	Azure AD
User2	Member	Azure AD
User3	Member	Windows Server Active Directory
User4	Guest	Microsoft account

You create a group named Group1 and add User1 to the group. You need to configure the ownership of Group 1. Which users can you add as owners of Group1?

A. East US, West Europe, and North Europe

B. East US and West Europe only

C. East US only

D. East US and North Europe only

Correct Answer: C

Before creating a network interface, you must have an existing virtual network in the same location and subscription you create a network interface in. If you try to create a NIC on a location that does not have any Vnets you will get the following error: "The currently selected subscription and location lack any existing virtual networks. Create a virtual network first."

Reference: https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-network-interface

QUESTION 2

HOTSPOT

You have an Azure subscription named Subscroption1.

```
PS Azure:\> Get-AzureRmActionGroup

ResourceGroupName: default-activitylogalerts
GroupShortName   : AG1
Enabled          : True
EmailReceivers   : {Action1_-EmailAction-}
SmsReceivers     : {Acrtion_-SMSAction-}
WebhookReceivers : {}
Id               : /subscriptions/a4fde29b-d56a-4f6c-8298-6c53cd0b720c/
resourceGroups/default-activitylogalerts/providers/microsoft.insights/actionGrooups/ActionGroup1
Name             : ActionGroup1
Type             : Microsoft.Insights/ActionGroups
Location         : Global
Tags             : {}
```

In Subscription1, you create an alert rule named Alert1. The Alert1 action group is configured as shown in the following exhibit.

Alert1 alert criteria is triggered every minute.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

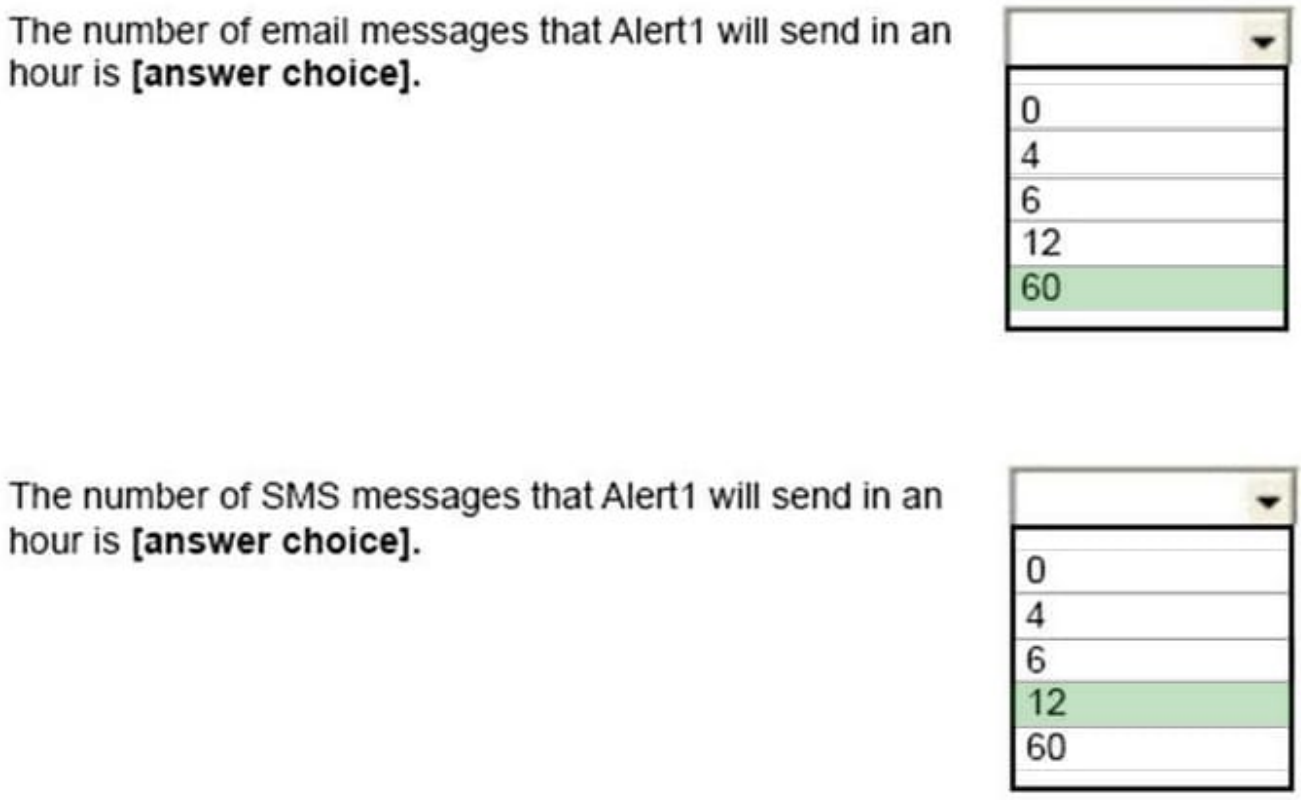
The number of email messages that Alert1 will send in an hour is **[answer choice]**.

- 0
- 4
- 6
- 12
- 60

The number of SMS messages that Alert1 will send in an hour is **[answer choice]**.

- 0
- 4
- 6
- 12
- 60

Correct Answer:



Box 1: 60 One alert per minute will trigger one email per minute. Box 2: 12 No more than 1 SMS every 5 minutes can be send, which equals 12 per hour. Note: Rate limiting is a suspension of notifications that occurs when too many are sent to a particular phone number, email address or device. Rate limiting ensures that alerts are manageable and actionable.

The rate limit thresholds are:

1.

SMS: No more than 1 SMS every 5 minutes.

2.

Voice: No more than 1 Voice call every 5 minutes.

3.

Email: No more than 100 emails in an hour.

4.

Other actions are not rate limited.

References:

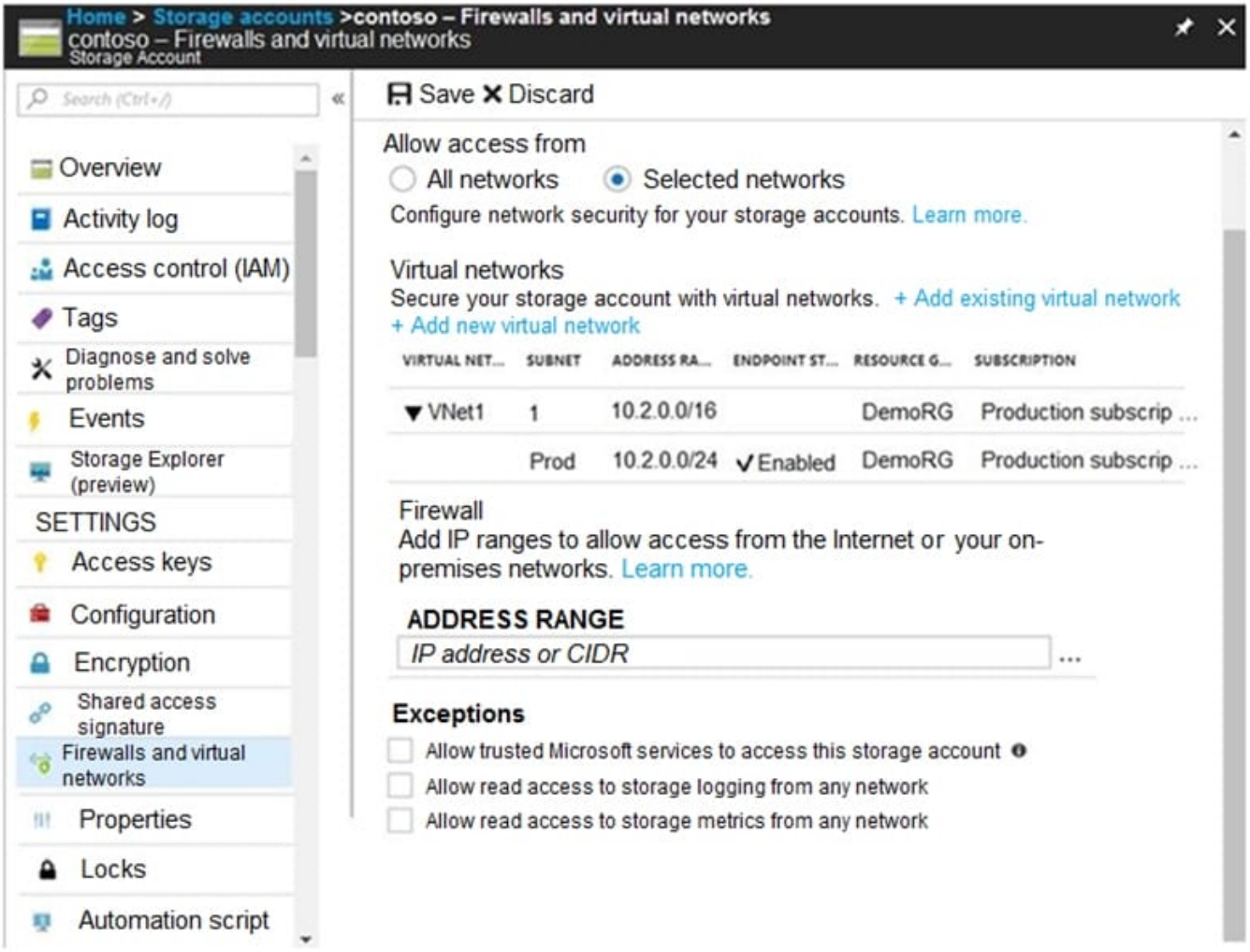
https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/monitoring-and- diagnostics/monitoring-overview-alerts.md

QUESTION 3

HOTSPOT

You have several Azure virtual machines on a virtual network named VNet1.

You configure an Azure Storage account as shown in the following exhibit.

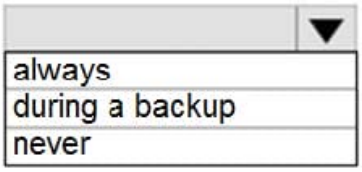


Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

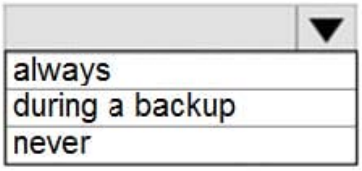
NOTE: Each correct selection is worth one point.

Hot Area:

The virtual machines on the 10.2.9.0/24 subnet will have network connectivity to the file shares in the storage account **[answer choice]**.

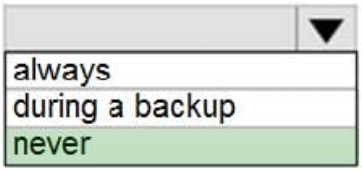


Azure Backup will be able to back up the unmanaged hard disks of the virtual machines in the storage account **[answer choice].**

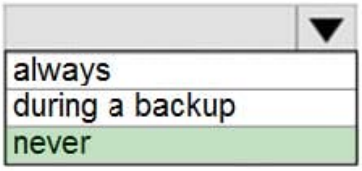


Correct Answer:

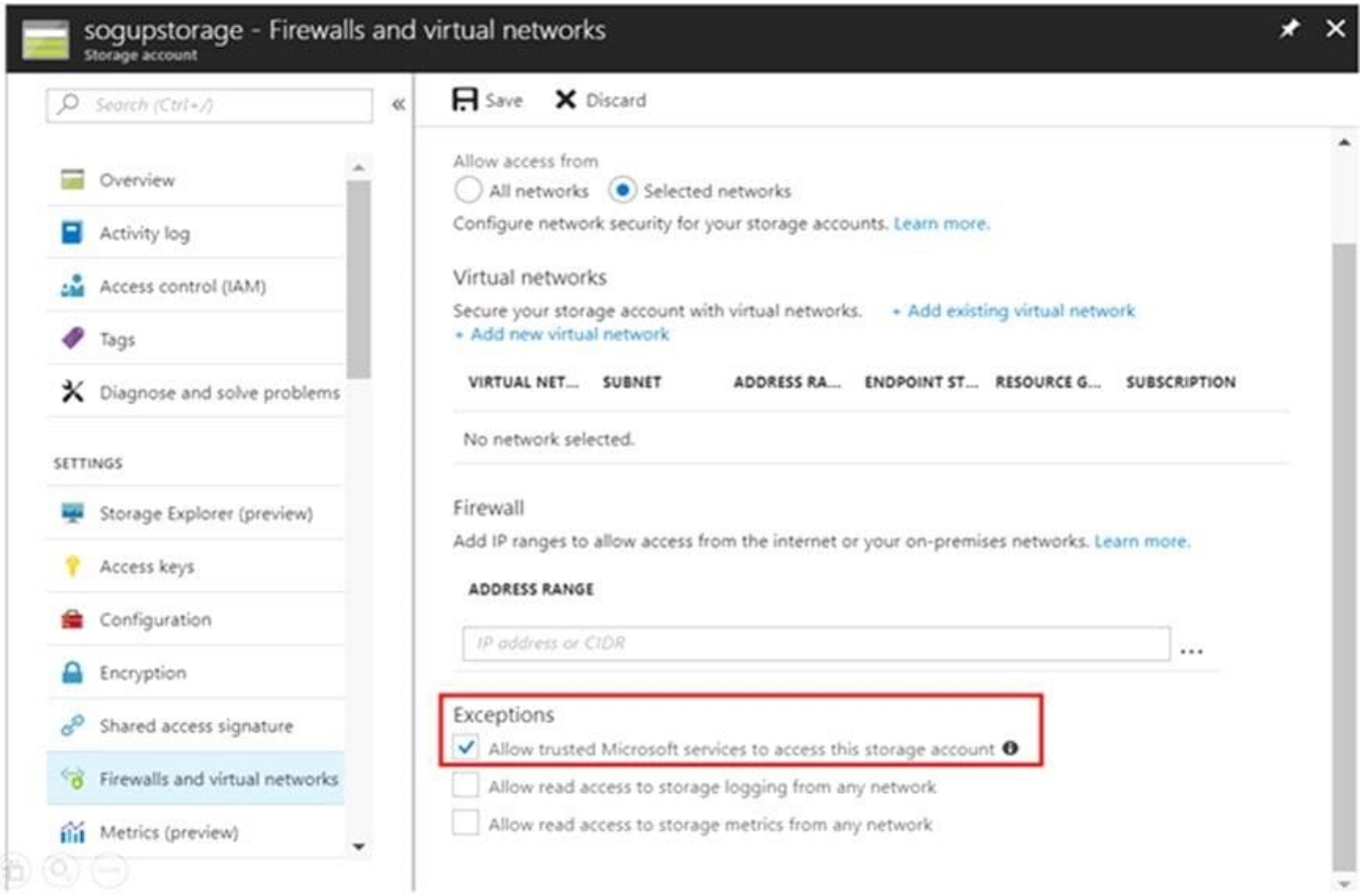
The virtual machines on the 10.2.9.0/24 subnet will have network connectivity to the file shares in the storage account **[answer choice]**.



Azure Backup will be able to back up the unmanaged hard disks of the virtual machines in the storage account **[answer choice].**



Box 1: never For Subnet 10.2.9.0/24, endpoint (Refer to first endpoint) is not enabled into the storage account shown in the exhibit. Hence there would not be any connectivity to the file shares in storage account. To establish this connection you must have to enable the endpoint. Box 2: never After you configure firewall and virtual network settings for your storage account, select Allow trusted Microsoft services to access this storage account as an exception to enable Azure Backup service to access the network restricted storage account. As this required setting is missing , so Azure backup will not be able to take backup of unmanaged disks.



Reference:

https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-use-files-windows https://azure.microsoft.com/en-us/blog/azure-backup-now-supports-storage-accounts-secured- with-azure-storage-firewalls-and-virtual-networks/

QUESTION 4

You have an Azure subscription named Subscription1 that contains an Azure virtual network named VM1. VM1 is in a resource group named RG1.

VM1 runs services that will be used to deploy resources to RG1.

You need to ensure that a service running on VM1 can manage the resources in RG1 by using the identity of VM1.

What should you do first?

A. From the Azure portal modify the Access control (IAM) settings of VM1.

B. From the Azure portal, modify the Policies settings of RG1.

C. From the Azure portal, modify the value of the Managed Service Identity option for VM1.

D. From the Azure portal, modify the Access control (IAM) settings of RG1.

Correct Answer: C

A managed identity from Azure Active Directory allows your app to easily access other AAD- protected resources such as Azure Key Vault. The identity is managed by the Azure platform and does not require you to provision or rotate any

secrets.

User assigned managed identities can be used on Virtual Machines and Virtual Machine Scale Sets.

References:

https://docs.microsoft.com/en-us/azure/app-service/app-service-managed-service-identity

QUESTION 5

HOTSPOT

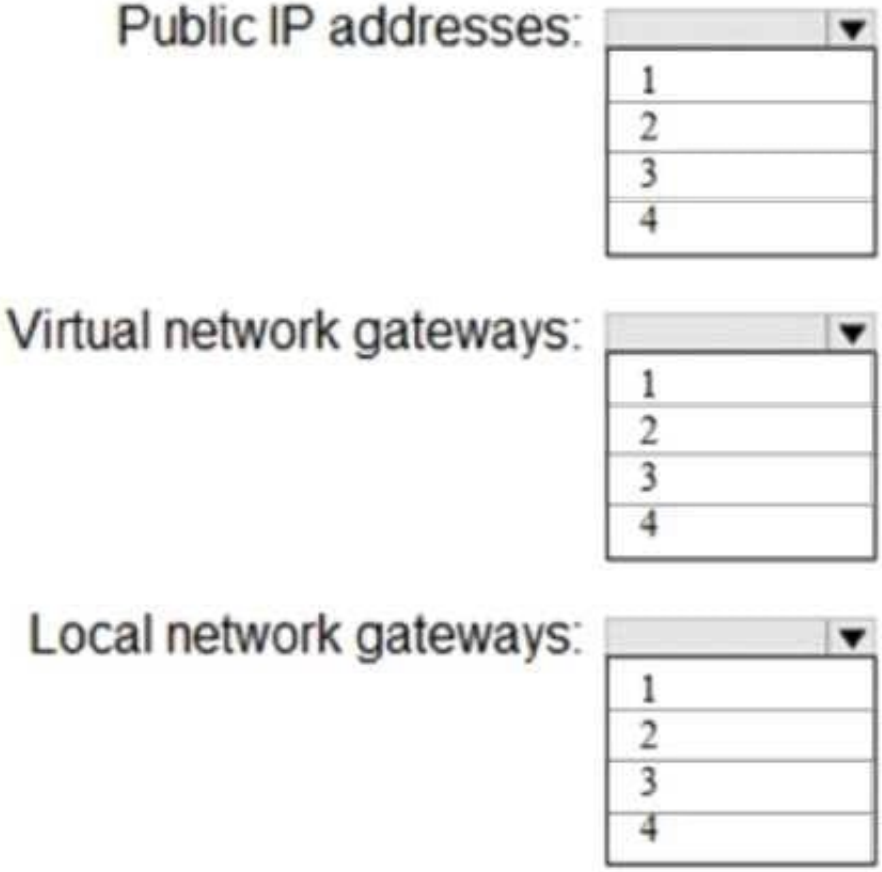
You have an on premises data center and an Azure subscription. The data center contains two VPN devices. The subscription contains an Azure virtual network named VNet1. VNet1 contains a gateway subnet.

You need to create a site-to-site VPN. The solution must ensure that if a single instance of an Azure VPN gateway fails, or a single on-premises VPN device fails, the failure will not cause an interruption that is longer than two minutes.

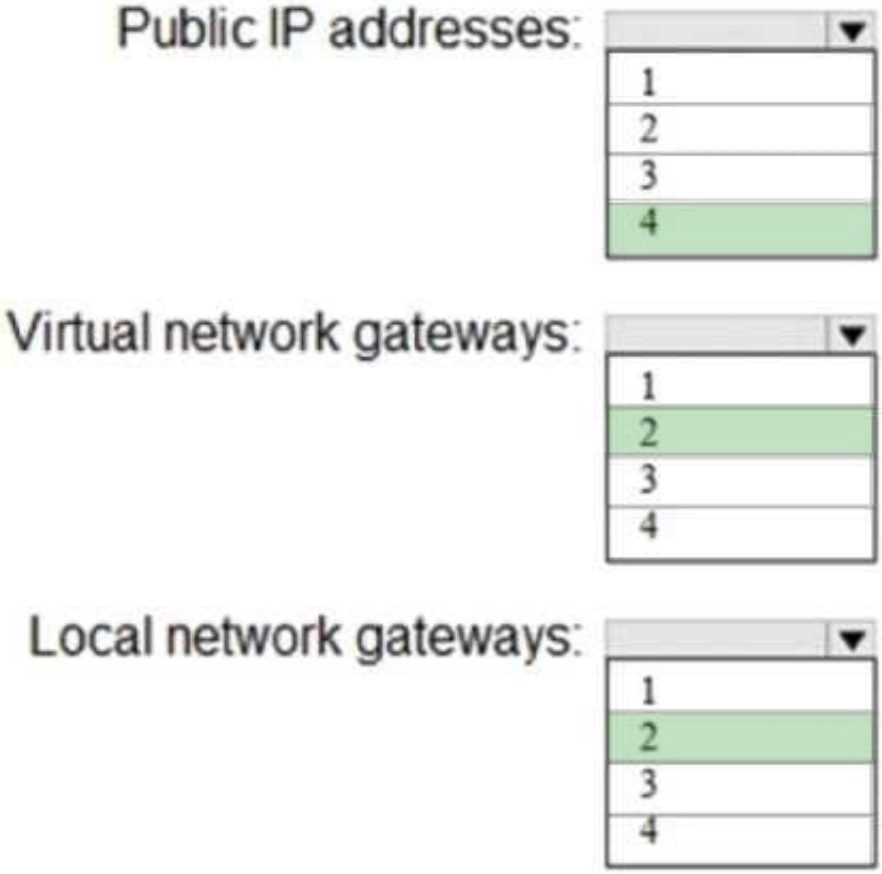
What is the minimum number of public IP addresses, virtual network gateways, and local network gateways required in Azure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

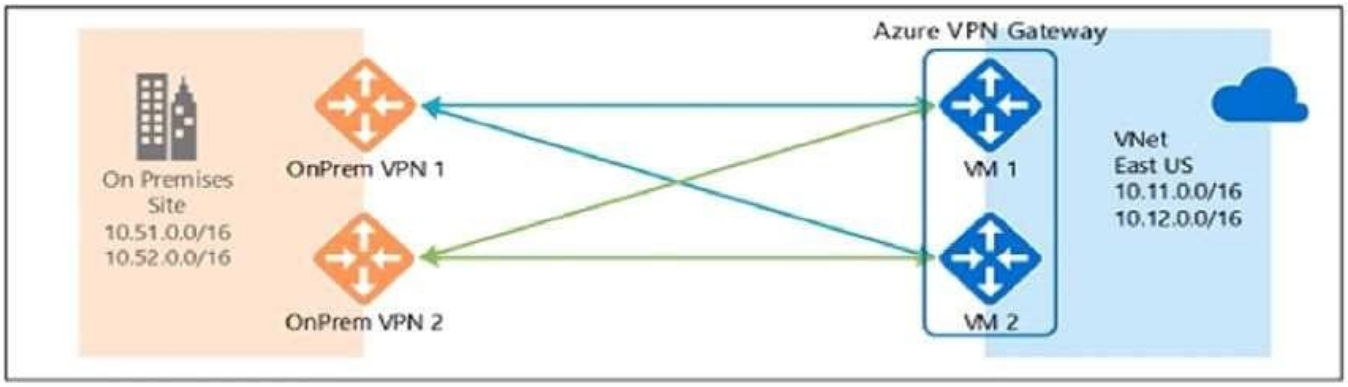


Correct Answer:



Box 1: 4

Two public IP addresses in the on-premises data center, and two public IP addresses in the VNET. The most reliable option is to combine the active-active gateways on both your network and Azure, as shown in the diagram below.



Box 2: 2

Every Azure VPN gateway consists of two instances in an active-standby configuration. For any planned maintenance or unplanned disruption that happens to the active instance, the standby instance would take over (failover) automatically,

and resume the S2S VPN or VNet-to-VNet connections.

Box 3: 2

Dual-redundancy: active-active VPN gateways for both Azure and on-premises networks Reference:

https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-highlyavailable